

Rehabilitation Nursing Foundation Abstract Form

In 250-350 words, define the research problem, state the significance of the research, and present the research methodology and plan for analysis. **DO NOT USE A SEPARATE SHEET.**

Research has supported patient understanding increases compliance with medication and treatment regimes. Little data is available on the effects of an enhanced educational program along with telephone follow up to evaluate hospital readmission rates, and decreased complications from non-therapeutic medication administration. Such data would help the multidisciplinary team in organizing the patient plan of care post discharge. For that reason, the overarching aim of this study is to explore the effectiveness of an innovative educational strategy to improve adherence in those prescribed with anticoagulation therapy.

The hypothesis for this study is that there will be **no difference in adherence based on INR in the enhanced education intervention group as compared to those receiving treatment as usual.** The following exploratory hypotheses were offered as well. There will be no difference in re-admission rates between the enhanced education group and standard treatment group. There will be no difference in the rate of under or over coagulation episodes between the enhanced treatment group and the standard treatment group. **Changes in improvement rates between groups will not be mediated by self-efficacy dimensions.** Should this study confirm the improvement, it would provide members of the healthcare team with additional interventions aimed at reducing hospital readmission rates and will serve as the basis for more extensive exploration in the future.

Expected products of this study include pilot data for a National Institute of Health grant submission, publication of a manuscript in an appropriate refereed journal, and presentation at the annual ARN educational conference.

Using this study, the investigator will offer the opportunity for medication compliance, hospital readmission, INR rates, and complications associated with non-therapeutic medication administration will be recorded. Chi square analysis along with descriptive statistical techniques that will be reported as frequencies scores, cumulative frequency percentages, and group means. **One hundred twenty subjects will be recruited for the study. The theoretical framework for the research study is Bandura's Social Cognitive Theory.**

An experienced multidisciplinary research team will collaborate on this research project. The team includes nurses, statisticians, pharmacists and physicians. The University of Delaware will collaborate with the Christiana Care Hospital System.